Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/12/2021 09:40 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124550	-1	2.15	124647	2.16
Blue	F	SSC	125000	123604	-2	3.20	124510	3.16
Blue	E	FITC	14203	13799	-3	2.69	300	15.31
Blue	D	PE	25703	25439	-2	2.27	550	10.24
Blue	B	PerCP-Cy5-5	42104	40794	-4	3.16	910	14.23
Blue	A	PE-Cy7	34646	34550	-1	4.50	491	28.89
Red	C	APC	49824	49459	-1	2.82	1510	11.54
Red	A	APC-Cy7	39773	38665	-3	2.76	721	12.09
Violet	B	V450	7447	7163	-4	3.79	404	12.79
Violet	A	V500	31193	30287	-3	3.60	690	10.06

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21881	2.51	548	-8	N/A	N/A	Pass
Blue	F	SSC	54779	2.64	511	-1	N/A	N/A	Pass
Blue	E	FITC	56	55.60	483	-3	0.0441	268	Pass
Blue	D	PE	109	38.02	485	0	0.4523	339	Pass
Blue	B	PerCP-Cy5-5	174	35.87	575	-2	0.0208	96	Pass
Blue	A	PE-Cy7	112	63.01	621	1	0.0228	1	Pass
Red	C	APC	353	24.12	570	3	0.0270	88	Pass
Red	A	APC-Cy7	200	24.86	546	2	0.0057	419	Pass
Violet	B	V450	91	42.36	447	-2	0.0503	2007	Pass
Violet	A	V500	121	29.12	465	-2	0.0256	741	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.95	-31.50	1.09
Blue	20.34	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.41
Red	20.07	15.99 - 23.99	N/A	N/A	29.80	30.09	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 12123

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments